

Title (en)
STORAGE SYSTEM FOR WAFERS

Title (de)
LAGERSYSTEM FÜR WAFER

Title (fr)
SYSTEME DE STOCKAGE DE PLAQUETTES DE SILICIUM

Publication
EP 1639626 B1 20101215 (DE)

Application
EP 04740098 A 20040619

Priority
• EP 2004006657 W 20040619
• DE 10329868 A 20030702

Abstract (en)
[origin: WO2005004209A1] Disclosed is a storage system (10) for wafers (68), comprising at least one storage module (12, 12a) in which the wafers (68) are stored on top of each other in packets (37), similar to a column. An insertion and dispensing module (14) containing a robot (54) is located next to the storage module (12, 12a). The robot (54) is provided with an arm (56, 58, 60) which is movable essentially on a horizontal plane and by means of which predetermined wafers (68) can be laterally removed from or inserted into a predetermined packet (37). Said packets (37) located in the storage module (12, 12a) are arranged on a conveyor (28, 30) that runs substantially on a horizontal plane. The predetermined packet (37) can be placed in a transfer position (42, 44) with the aid of the conveyor (28, 30), in which the predetermined wafers (68) can be transferred between the arm (56, 58, 60) and the predetermined packet (37).

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